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☐	L35	707/102.ccls.	5032
☐	L34	707/3-5.ccls.	10970
☐	L33	(128 and 129 and 130 and 131 and L32)	0
☐	L32	(124 or 125 or 126) and (set-top or (set adj1 top))	145
☐	L31	(124 or 125 or 126) and (content adj1 (file$ or folder$))	8
☐	L30	(124 or 125 or 126) and (serv$ adj1 (file$ or folder$))	13

☐	L29	(l24 or l25 or l26) and (imag$ adj1 (file$ or folder$))	15
☐	L28	(l24 or l25 or l26) and (configuration adj1 (file$ or folder$))	15
☐	L27	(l24 or l25 or l26) and (broadcast adj1 file adj1 server$)	5
☐	L26	(bfs or (broadcast adj1 file adj1 system$)).ti.	7
☐	L25	(bfs or (broadcast adj1 file adj1 system$)).ab.	121
☐	L24	(bfs or (broadcast adj1 file adj1 system$))	1331

DB=PGPB,USPT,USOC; PLUR=NO; OP=OR

☐	L23	((content adj1 (file or files or folder or folder)) near (service adj1 (file or files or folder or folders)))	1
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☐	L21	((broadcast adj1 file adj1 system) or bfs) and L10	1
☐	L20	L10 and (set-top or (set adj1 top))	1
☐	L19	(L17 or L18) and (set-top or (set adj1 top))	4
☐	L18	((broadcast adj1 file adj1 system) or bfs).ab.	18
☐	L17	((broadcast adj1 file adj1 system) or bfs).ti.	4
☐	L16	L10 and (set-top or (set adj1 top)).ab.	1
☐	L15	L10 and broadcast$.ab.	1
☐	L14	L10 and broadcast$.ti.	1
☐	L13	L10 and (set-top or (set adj1 top))	1
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☐	L11	L5 and L10	1
☐	L10	L9 and (service near (file or files or folder or folders))	22
☐	L9	L8 and (content near (file or files or folder or folders))	330
☐	L8	L6 and (configuration near (file or files or folder or folders))	1610
☐	L7	(configuration near (file or files or folder or folders))	14598
☐	L6	((image or images) near (file or files or folder or folders))	28721
☐	L5	((set-top or (set adj1 top)) with ((broadcast adj1 file adj1 system) or bfs))	18
☐	L4	((set-top or (set adj1 top)) near ((broadcast adj1 file adj1 system) or bfs))	0
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☐	L2	L1 and ((broadcast adj1 file adj1 system) or bfs)	2

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M2 Presswire. Coventry: Apr 3, 2007. ; p. 1

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Business Wire. New York: Sep 8, 2006. ; p. 1

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Business Wire. New York: Jun 19, 2006. ; p. 1

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M2 Presswire. Coventry: Jan 18, 2006. ; p. 1

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PR Newswire. New York: Jun 16, 2005. ; p. 1

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Business Wire. New York: Jan 5, 2005. ; p. 1

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by *Chung, Yeonjoon*, Ph.D., **University of Minnesota**, 2004, 120 pages; AAT 3117528

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☐ 10. **QUEST FOR POWER, SPEED DRIVE THE LATEST TECHNOLOGIES; [THIRD Edition]**
HIAWATHA BRAY. **Boston Globe.** Boston, Mass.: Apr 14, 2003. ; p. C.3

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Hiawatha Bray. **Knight Ridder Tribune Business News.** Washington: Apr 14, 2003. ; p. 1

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Stuart Thomson, stuart.thomson@informa.com. **Cable & Satellite Europe.** London: Mar 2003. ; p. 1

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Appliance Ships**
PR Newswire. New York: Nov 18, 2002. ; p. 1

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PART OF HOME LIFE. SOON, 'RESIDENTIAL GATEWAYS' MAY TRANSFORM PCS INTO THE HUB (
MULTIMEDIA ENTERTAINMENT CENTERS.; [THIRD Edition]**
Hiawatha Bray, Globe Staff. **Boston Globe.** Boston, Mass.: Nov 12, 2001. ; p. C.1

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PR Newswire. New York: Sep 13, 2001. ; p. 1

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Canada NewsWire. Ottawa: Sep 5, 2001. ; p. 1

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☐ 17. **MSU Devices Announces First Customer and Strategic Distribution Partner for New V5 Next Genera
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PR Newswire. New York: Sep 5, 2001. ; p. 1

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Business & Technology Editors. **Business Wire.** New York: Jun 13, 2001. ; p. 1

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drop Interface Makes Meetings Less Disruptive and More Productive**
Business Editors. **Business Wire.** New York: Jun 13, 2001. ; p. 1

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2001**
Business Editors. **Business Wire.** New York: Jun 11, 2001. ; p. 1

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Via Satellite. Potomac: Mar 10, 2001. Vol. 16, Iss. 3; p. 1

📄 Full text   📧 Abstract

22. **Microsoft Selects SkyStream Networks to Power Enhanced Data Broadcasting Services for Cable a Customers**
Business Editors/High-Tech Writers. **Business Wire.** New York: Oct 31, 2000. ; p. 1
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Susan Crum. **Electronic Packaging and Production.** Newton: Oct 2000. Vol. 40, Iss. 10; p. 32 (5 pages)
    📄 Text+Graphics   📄 Full Text - PDF   📑 Abstract

24. **SGI Leads Media Streaming Video Server Market**
PR Newswire. New York: Jun 12, 2000. ; p. 1
    📄 Full text   📑 Abstract

25. **Avid Selects Sonic DVDit -- tm -- for Avid ePublisher; New Streaming Video System to Include Soni(Direct DVD Publishing**
Business Editors and Technology Writers NAB2000. **Business Wire.** New York: Apr 11, 2000. ; p. 1
    📄 Full text   📑 Abstract

26. **SkyStream and General Instrument Work Together To Offer Cable Operators an Integrated Distribut for In-Band Data Broadcasting**
Business Editors/High-Tech Writers The Western Show 99. **Business Wire.** New York: Dec 14, 1999. ; p.
    📄 Full text   📑 Abstract

27. **AnyTimeTV Sends Broadcast Quality Video Nationwide as Easy as E- mail; Satellite Video Delivery Enables Viewing Any Time**
Business Editors NAB 99. **Business Wire.** New York: Apr 13, 1999. ; p. 1
    📄 Full text   📑 Abstract

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PR Newswire. New York: Feb 24, 1999. ; p. 1
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Business Editors, High Tech Writers. **Business Wire.** New York: Apr 6, 1998. ; p. 1
    📄 Full text   📑 Abstract

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1   IS '97: model curriculum and guidelines for undergraduate degree programs in information systems   ■

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems IS '97**, Volume 28 Issue 1

Publisher: ACM Press

Full text available: ▣ pdf(7.24 MB)   Additional Information: full citation, citings

2   Distributed file systems: concepts and examples   ■

Eliezer Levy, Abraham Silberschatz

December 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 4

Publisher: ACM Press

Full text available: ▣ pdf(5.33 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The purpose of a distributed file system (DFS) is to allow users of physically distributed computers to share data and storage resources by using a common file system. A typical configuration for a DFS is a collection of workstations and mainframes connected by a local area network (LAN). A DFS is implemented as part of the operating system of each of the connected computers. This paper establishes a viewpoint that emphasizes the dispersed structure and decentralization of both data and con ...

3   Fast detection of communication patterns in distributed executions   ■

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available: ▣ pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex

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and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

4 The multics system: an examination of its structure

Elliott I. Organick
January 1972 Book
Publisher: MIT Press

Full text available: pdf(23.94 MB)   Additional Information: full citation, abstract, references, cited by, index terms

This volume provides an overview of the Multics system developed at M.I.T.--a time-shared, general purpose utility like system with third-generation software. The advantage that this new system has over its predecessors lies in its expanded capacity to manipulate and file information on several levels and to police and control access to data in its various files. On the invitation of M.I.T.'s Project MAC, Elliott Organick developed over a period of years an explanation of the workings, concep ...

5 Pen computing: a technology overview and a vision

André Meyer
July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3
Publisher: ACM Press
Full text available: pdf(5.14 MB)   Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

6 Design and evaluation of a wide-area event notification service

Antonio Carzaniga, David S. Rosenblum, Alexander L. Wolf
August 2001 **ACM Transactions on Computer Systems (TOCS)**, Volume 19 Issue 3
Publisher: ACM Press

Full text available: pdf(1.08 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The components of a loosely coupled system are typically designed to operate by generating and responding to asynchronous events. An event notification service is an application-independent infrastructure that supports the construction of event-based systems, whereby generators of events publish event notifications to the infrastructure and consumers of events subscribe with the infrastructure to receive relevant notifications. The two primary services that should be provid ...

Keywords: content-based addressing and routing, event notification, publish/subscribe

7 Handling Heterogeneity in Shared-Disk File Systems

Changxun Wu, Randal Burns
November 2003 **Proceedings of the 2003 ACM/IEEE conference on Supercomputing SC '03**
Publisher: IEEE Computer Society
Full text available: pdf(268.40 KB)   Additional Information: full citation, abstract

We develop and evaluate a system for load management in shared-disk file systems built on clusters of heterogeneous computers. The system generalizes load balancing and server provisioning. It balances file metadata workload by moving file sets among cluster

server nodes. It also responds to changing server resources that arise from failure and recovery and dynamically adding or removing servers. The system is adaptive and self-managing. It operates without any a-priori knowledge of workload pro ...

8 Applications on the go: MediaAlert - a broadcast video monitoring and alerting system for mobile users
Bin Wei, Bernard Renger, Yih-Farn Chen, Rittwik Jana, Huale Huang, Lee Begeja, David Gibbon, Zhu Liu, Behzad Shahraray
June 2005 **Proceedings of the 3rd international conference on Mobile systems, applications, and services MobiSys '05**
Publisher: ACM Press

Full text available: pdf(593.10 KB)   Additional Information: full citation, abstract, references, cited by, index terms

We present a system for automatic monitoring and timely dissemination of multimedia information to a range or mobile information appliances based on each user's interest profile. Multimedia processing algorithms detect and isolate relevant video segments from over twenty television broadcast programs based on a collection or words and phrases specified by the user. Content repurposing techniques are then used to convert the information into a form that is suitable for delivery to the user's mobi ...

Keywords: alerting, automatic speech recognition (ASR), content adaptation, content repurposing, mobile devices, multimedia messaging, multimedia processing, news monitoring, notification, service platform

9 Level II technical support in a distributed computing environment
Tim Leehane
September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services SIGUCCS '96**
Publisher: ACM Press
Full text available: pdf(5.73 MB)   Additional Information: full citation, references, index terms

10 A dynamic view-oriented group communication service
Roberto De Prisco, Alan Fekete, Nancy Lynch, Alex Shvartsman
June 1998 **Proceedings of the seventeenth annual ACM symposium on Principles of distributed computing PODC '98**
Publisher: ACM Press
Full text available: pdf(3.91 MB)   Additional Information: full citation, references, citings, index terms

11 Macintosh human interface guidelines
Apple Computer, Inc.
January 1992 Book
Publisher: Addison-Wesley Publishing Company

Full text available: pdf(37.61 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Macintosh Human Interface Guidelines describes the way to create products that optimize the interaction between people and Macintosh computers. It explains the whys and hows of the Macintosh interface in general terms and specific details.

Macintosh Human Interface Guidelines helps you link the philosophy behind the Macintosh interface to the actual implementation of interface elements. Examples from a wide range

of Macintosh products show good human interface design, including individ ...

12 Astrolabe: A robust and scalable technology for distributed system monitoring, management, and data mining

Robbert Van Renesse, Kenneth P. Birman, Werner Vogels

May 2003 **ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 2

Publisher: ACM Press

Full text available: pdf(341.62 KB)   Additional Information: full citation, abstract, references, citings, index terms

Scalable management and self-organizational capabilities are emerging as central requirements for a generation of large-scale, highly dynamic, distributed applications. We have developed an entirely new distributed information management system called Astrolabe. Astrolabe collects large-scale system state, permitting rapid updates and providing on-the-fly attribute aggregation. This latter capability permits an application to locate a resource, and also offers a scalable way to track sys ...

Keywords: Aggregation, epidemic protocols, failure detection, gossip, membership, publish-subscribe, scalability

13 Classics in software engineering

January 1979 Divisible Book

Publisher: Yourdon Press

Full text available: pdf(22.45 MB)   Additional Information: full citation, cited by, index terms

14 An open-source CVE for programming education: a case study: An open-source CVE for programming education: a case study

Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks

July 2005 **ACM SIGGRAPH 2005 Courses SIGGRAPH '05**

Publisher: ACM Press

Full text available: pdf(7.92 MB)   Additional Information: full citation, references

15 A taxonomy of Data Grids for distributed data sharing, management, and processing

Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao

June 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 1

Publisher: ACM Press

Full text available: pdf(1.70 MB)   Additional Information: full citation, abstract, references, index terms

Data Grids have been adopted as the next generation platform by many scientific communities that need to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance networking and wide-area storage management techniques. In this article, we discuss the key concepts behind Data Grids and compare them with other data sharing and distribution paradigms such as content delivery networks, peer-to-peer n ...

Keywords: Grid computing, data-intensive applications, replica management, virtual organizations

16 Client-server computing in mobile environments

Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2
Publisher: ACM Press

Full text available: pdf(233.31 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile compuing, mobile data, mobility awareness, survey, system application

17 <u>Real-time shading</u>

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Jason L. Mitchell, Randi Rost
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: pdf(7.39 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

Real-time procedural shading was once seen as a distant dream. When the first version of this course was offered four years ago, real-time shading was possible, but only with one-of-a-kind hardware or by combining the effects of tens to hundreds of rendering passes. Today, almost every new computer comes with graphics hardware capable of interactively executing shaders of thousands to tens of thousands of instructions. This course has been redesigned to address today's real-time shading capabili ...

18 <u>A survey of peer-to-peer content distribution technologies</u>

Stephanos Androutsellis-Theotokis, Diomidis Spinellis
December 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 4
Publisher: ACM Press

Full text available: pdf(517.77 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Distributed computer architectures labeled "peer-to-peer" are designed for the sharing of computer resources (content, storage, CPU cycles) by direct exchange, rather than requiring the intermediation or support of a centralized server or authority. Peer-to-peer architectures are characterized by their ability to adapt to failures and accommodate transient populations of nodes while maintaining acceptable connectivity and performance.Content distribution is an important peer-to-peer application ...

Keywords: Content distribution, DHT, DOLR, grid computing, p2p, peer-to-peer

19 <u>Mobile services: DeltaCast: efficient file reconciliation in wireless broadcast systems</u>

Julian Chesterfield, Pablo Rodriguez
June 2005 **Proceedings of the 3rd international conference on Mobile systems, applications, and services MobiSys '05**
Publisher: ACM Press
Full text available: pdf(214.15 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Recently, there has been an increasing interest in wireless broadcast systems as a means to enable scalable content delivery to large numbers of mobile users. However, gracefully

providing efficient reconciliation of different versions of a file over such broadcast channels still remains a challenge. Such systems often lack a feedback channel and consequently updates cannot be easily tailored to a specific user. Moreover, given the potentially large number of possible versions of a file, it is i ...

20 Compiler construction: an advanced course

F. L. Bauer, F. L. De Remer, M. Griffiths, U. Hill, J. J. Horning, C. H. A. Koster, W. M. McKeeman, P. C. Poole, W. M. Waite, G. Goos, J. Hartmanis
January 1974 Book

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(65.62 MB)   Additional Information: full citation, abstract, references, cited by

The Advanced Course took place from March 4 to 15, 1974 and was organized by the Mathematical Institute of the Technical University of Munich and the Leibniz Computing Center of the Bavarian Academy of Sciences, in co-operation with the European Communities, sponsored by the Ministry for Research and Technology of the Federal Republic of Germany and by the European Research Office, London.

Results 1 - 20 of 200   Result page: **1**   2   3   4   5   6   7   8   9   10   next

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bfs and broadcast file system and set top and | Search |

The **"AND"** operator is unnecessary -- we include all search terms by default. [details]

Scholar All articles   Recent articles   Results **1 - 10** of about **315** for **bfs** and **broadcast** **file** **system** and **set**

All Results

O Gnawali

N Daswani

H Garcia-Molin...

B Yang

D Menascé

A Keyword-**Set** Search **System** for Peer-to-Peer Networks - all 15 versions »
OD Gnawali - 2002 - cs.utexas.edu
... of **broadcasting** the queries to a subset of the neighbors instead ... of as a middle ground
between pure **BFS** and pure ... for each **set** of words in the **file**, hashes the ...
Cited by 62 - Related Articles - View as HTML - Web Search - Library Search

Using a hierarchical **file system** for indexing data **broadcast** to a client from a network of servers - all 4 versions »
TH Addington, DL Defreese - US Patent 6,405,239, 2002 - Google Patents
... This server access network 206 couples the plurality of servers 202 and 204 to a
BFS (Broadcast File System) server 208 and to a **broadcast** delivery network210. ...
Cited by 3 - Related Articles - Web Search

[PS] HFS: A flexible **file system** for large-scale multiprocessors - all 4 versions »
O Krieger, M Stumm - Proceedings of the DAGS/PC Symposium (The Second Annual ...,
1993 - cs.toronto.edu
... While **broadcast** is disallowed by our scalability guidelines ... of clusters, then to
avoid one **BFS** from becoming a ... **File** block distribution: There have been numerous ...
Cited by 21 - Related Articles - View as HTML - Web Search

System and method for providing a plurality of programming **services** in a television **system** - all 4 versions »
DF Jerding, JM Schlarb, AA Rodriguez - US Patent 6,792,616, 2004 - Google Patents
... otherwise known as the **settop** box has ... and method acquires specific **broadcast service**
infor- mation by ... such **file** retrieved from abroadcast **file system** ("**BFS**"). ...
Cited by 1 - Related Articles - Web Search

Open problems in data-sharing peer-to-peer systems - all 12 versions »
N Daswani, H Garcia-Molina, B Yang - Proceedings of the 9th International Conference
on Database ..., 2003 - Springer
... not optimal: performance of directed **BFS** depends on ... server anonymity resorts to
broadcast search, while ... that ensure availabiity, **file** authenticity, anonymity ...
Cited by 122 - Related Articles - Web Search - BL Direct

Probabilistic scalable P2P resource location **services** - all 5 versions »
DA Menascé, L Kanchanapalli - ACM SIGMETRICS Performance Evaluation Review,
2002 - portal.acm.org
... migrate to any node at the will of the P2P **system**. ... uses secure SHA- 1 hashes of a
file content to ... with a certain probability, called the **broadcast** probability. ...
Cited by 28 - Related Articles - Web Search - BL Direct

10\7789,1911

Method of distributing content information over a **broadcast file system**
JS Weyrich, NK Gupta, R Gupta, TR Heagy, D Lutz, A ... - 2005 - freepatentsonline.com
... 1 illustrates a simplified diagram of a communications **system** 100 that is ... 105
supplies
the xOD application and data to a **broadcast file** server **(BFS)** 110 ...
Cached - Web Search

STREAM DEVICE MANAGEMENT **SYSTEM** FOR MULTIMEDIA CLIENTS IN A **BROADCAST** NETWORK ARCHITECTURE - all 2 versions »
BJ ASPROMONTE, AJ STALKER, LEE SALZMAN, J MINCONE, ... - 2002 -
freepatentsonline.com
... that may reside on the **set-top** box, and ... manager 30 provides a standard **set** of
APIs ...
programs (HTTP), MPEG transport streams, and a **broadcast file system (BFS)**. ...
Cached - Web Search

Method and apparatus for the remote retrieval and viewing of diagnostic information from a **set-top** ...
GE Roe, MC Carlberg - 2004 - freepatentsonline.com
... POTS) modem, an Integrated **Services** Digital Network ... MAC address, or a **set-top**
box
serial ... guide events information, **broadcast file system (BFS)** information, pay ...
Cached - Web Search

Downloadable remotely stored device drivers for communication with **set-top** box peripherals
GL Akins III - 2004 - freepatentsonline.com
... HCT"), otherwise known as the **set-top** box, has ... television **services** via a television
set (not shown ... 252 to insert in-band **broadcast file system (BFS)** data into ...
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Result Page: 1 2 3 4 5 6 7 8 9 10   **Next**

bfs and broadcast file system and se [Search]

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? **ds**

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Set      Items    Description
S1        424     (BFS OR BROADCAST FILE SYSTEM)
S2          0     S1 AND ((FILE? OR FOLDER?) (W) (CONTENT OR DATA OR IMAGE OR
                  CONFIGURATION OR SERVIC?))
S3          4     S1 AND (FILE? OR FOLDER?)
S4          0     BROADCAST FILE SERVER
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? **t s3/medium/1-4**

Dialog eLink: ◆**IEEE** USPTO Full Text Retrieval Options
3/3/1
DIALOG(R)File 8: Ei Compendex(R)
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10104255 **E.I. No:** EIP04458452913
Title: Design and implementation of broadcast file system based on DSM-CC data carousel protocol

Author: Zhang, Hongguang; Jiang, Tianpu; Gu, Zhiqi; Zheng, Shibao
Corporate Source: Inst. of Image Commun./Info. Proc. Shanghai Jiao Tong University, Shanghai, China
Source: IEEE Transactions on Consumer Electronics v 50 n 3 August 2004. p 929-933
Publication Year: 2004
CODEN: ITCEDA   **ISSN:** 0098-3063
Language: English

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3/3/2
DIALOG(R)File 8: Ei Compendex(R)
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08003438 **E.I. No:** EIP98044176060
Title: Human extraocular muscle spindles differ from skeletal ones

Author: Blumer, R.; Lukas, J.R.; Aigner, M.; Mayr, R.
Corporate Source: Inst of Anatomy, Vienna, Austria
Source: Journal of Computer-Assisted Microscopy v 8 n 4 Dec 1996. p 283-284
Publication Year: 1996
CODEN: JCMIEX   **ISSN:** 1040-7286
Language: English

3/3/3
DIALOG(R)File 8: Ei Compendex(R)
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04039232 **E.I. Monthly No:** EI8108064467   **E.I. Yearly No:** EI81023957

Title: **COMBINATORIAL ASPECTS OF BALANCED FILE ORGANIZATION SCHEMES.**

Author: Yamamoto, Sumiyasu; Tazawa, Shinsei
Corporate Source: Hiroshima Univ, Jpn

Title: **DESIGN OF A NEW BALANCED FILE ORGANIZATION SCHEME WITH THE LEAST REDUNDANCY.**

Author: Yamamoto, Sumiyasu; Ikeda, Hideto; Shige-eda, Shinsei; Ushio, Kazuhiko; Hamada, Noboru
Corporate Source: Hiroshima Univ, Jpn

? ds

```
Set       Items    Description
S1         464     (BFS OR BROADCAST FILE SYSTEM)
S2           0     S1 AND BROADCAST FILE SERVER?
S3           0     BROADCAST FILE SERVER
S4           0     S1 AND SET TOP BOX
S5          59     SET TOP BOX
S6           8     S1 AND (FILE? OR FOLDER?)
S7           0     S6 AND SET TOP
S8           0     S1 AND SET TOP
S9           0     S6 AND MEMORY
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? t s6/medium/1-8

Dialog eLink: **USPTO Full Text Retrieval Options**
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DIALOG(R)File 2: INSPEC
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09798441
Title: Broadcasting transport protocol in digital TV middleware
Author Zhang Hong-guang; Zheng Shi-bao; Gu Zhi-qi
Author Affiliation: Inst. of Image Commun. & Inf. Process., Shanghai Jiao Tong Univ., China
Journal: Journal of Shanghai Jiaotong University   vol.39, no.9   p. 1522-5, 1529
Publisher: Shanghai Jiaotong University Press ,
Publication Date: Sept. 2005 **Country of Publication:** China
CODEN: SCTPDH ISSN: 1006-2467
SICI: 1006-2467(200509)39:9L.1522:BTPD;1-S
   Material Identity Number: L567-2005-012
Language: Chinese
 Subfile: B C
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DIALOG(R)File 2: INSPEC
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09130347 **INSPEC Abstract Number:** B2004-11-6420-016, C2004-11-7410F-029
Title: Design and implementation of broadcast file system based on DSM-CC data carousel protocol
Author Hongguang Zhang; Tianpu Jiang; Zhiqi Gu; Shibao Zheng
Author Affiliation: Inst. of Image Commun. & Inf. Process., Shanghai Jiao Tong Univ., China
Journal: IEEE Transactions on Consumer Electronics   vol.50, no.3   p. 929-33
Publisher: IEEE ,
Publication Date: Aug. 2004 **Country of Publication:** USA
CODEN: ITCEDA ISSN: 0098-3063
SICI: 0098-3063(200408)50:3L.929:DIBF;1-5

Material Identity Number: I273-2004-004
U.S. Copyright Clearance Center Code: 0098-3063/04/$20.00
Language: English
 Subfile: B C
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DIALOG(R)File 2: INSPEC
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08661782   INSPEC Abstract Number: A2003-15-2841-015
Title: **Validation of neutron data for Pb and Bi using critical experiments**
Author Tsiboulia, A.; Khomyakov, Y.; Koscheev, V.; Kochetkov, A.; Matveenko, I.; Mikhailova, I.;
Semenov, M.; Lopatkin, A.V.; Smirnov, V.S.
Author Affiliation: State Sci. Center of the Russian Federation, Inst. for Phys. & Power Eng., Obninsk,
Russia
Journal: Journal of Nuclear Science and Technology Conference Title: J. Nucl. Sci. Technol. (Japan)
 suppl.2, vol.2   p. 1010-12
Publisher: Atomic Energy Soc. Japan ,
Publication Date: Aug. 2002 Country of Publication: Japan
CODEN: JNSTAX ISSN: 0022-3131
SICI: 0022-3131(200208)+2:2L.1010:VNDU;1-L
  Material Identity Number: J006-2003-005
Conference Title: International Conference on Nuclear Data for Science and Technology
Conference Date: 7-12 Oct. 2001   Conference Location: Tsukuba, Ibaraki, Japan
Language: English
 Subfile: A
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DIALOG(R)File 2: INSPEC
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08512001   INSPEC Abstract Number: C2003-03-6150N-004
Title: **Practical Byzantine fault tolerance and proactive recovery**
Author Castro, M.; Liskov, B.
Author Affiliation: Microsoft Res., Cambridge, UK
Journal: ACM Transactions on Computer Systems   vol.20, no.4   p. 398-461
Publisher: ACM ,
Publication Date: Nov. 2002 Country of Publication: USA
CODEN: ACSYEC ISSN: 0734-2071
SICI: 0734-2071(200211)20:4L.398:PBFT;1-Y
  Material Identity Number: E606-2002-005
U.S. Copyright Clearance Center Code: 0734-2071/02/1100-0398$5.00
Language: English
 Subfile: C

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05389664 **INSPEC Abstract Number:** A9311-3115-004, C9306-7320-013
Title: Development of a restricted Hartree-Fock program INDMOL on PARAM: a highly parallel computer
Author Shirsat, R.N.; Limaye, A.C.; Gadre, S.R.
Author Affiliation: Dept. of Chem., Poona Univ., India
Journal: Journal of Computational Chemistry   vol.14, no.4   p. 445-51

Publication Date: April 1993 **Country of Publication:** USA
CODEN: JCCHDD **ISSN:** 0192-8651
U.S. Copyright Clearance Center Code: 0192-8651/93/040445-07
Language: English
 Subfile: A C

6/3/6
DIALOG(R)File 2: INSPEC
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03832390 **INSPEC Abstract Number:** C87017359
Title: AFS, BFS, CFS . . . or distributed file systems for UNIX
Author Barak, A.; Malki, D.; Wheeler, R.
Author Affiliation: Dept. of Comput. Sci., Hebrew Univ. of Jerusalem, Israel
Conference Title: EUUG Autumn '86 Conference Proceedings   p. 461-72
Publisher: Eur. UNIX Syst. User Group , Buntingford, UK
Publication Date: 1986 **Country of Publication:** UK   499 pp.
Conference Date: 22-25 Sept. 1986   **Conference Location:** Manchester, UK
Language: English
 Subfile: C

Dialog eLink: **USPTO Full Text Retrieval Options**
6/3/7
DIALOG(R)File 2: INSPEC
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02551905 **INSPEC Abstract Number:** C80024265
Title: Combinatorial aspects of balanced file organization schemes
Author Yamamoto, S.; Tazawa, S.
Author Affiliation: Dept. of Math., Hiroshima Univ., Hiroshima, Japan
Journal: Journal of Information Processing   vol.2, no.3   p. 127-33

Publication Date: 1979 **Country of Publication:** Japan

Dialog eLink: USPTO Full Text Retrieval Options

Title: Design of a new balanced file organization scheme with the least redundancy
Author Yamamoto, S.; Ikeda, H.; Shige-eda, S.; Ushio, K.; Hamada, N.
Author Affiliation: Dept. of Math. & Computing Center, Hiroshima Univ., Hiroshima, Japan
Journal: Information and Control   vol.28, no.2   p. 156-75

? ds

```
Set      Items    Description
S1          0     BROADCAST FILE SERVER?
S2        591     (BFS OR BROADCAST FILE SYSTEM?)
S3          0     S2 AND SET TOP
S4          9     S2 AND (FILE? OR FOLDER?)
S5          2     S4 AND (IMAG? OR CONTENT OR SERVIC? OR CONFIGURATION)
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? t s5/full/1-2

Dialog eLink: USPTO Full Text Retrieval Options
5/9/1 (Item 1 from file: 34)
DIALOG(R)File 34: SciSearch(R) Cited Ref Sci
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11023918   **Genuine Article#: 598ZP   Number of References: 72**
Practical byzantine fault tolerance and proactive recovery

Author: Castro M (REPRINT) ; Liskov B
Corporate Source: Microsoft Res,7 JJ Thomson Ave/Cambridge CB3 0FB//England/ (REPRINT);
Microsoft Res,Cambridge CB3 0FB//England/; MIT,Comp Sci Lab,Cambridge//MA/02139
Abstract: Our growing reliance on online services accessible on the Internet demands highly available systems that provide correct service without interruptions. Software bugs, operator mistakes, and malicious attacks are a major cause of service interruptions and they can cause arbitrary behavior, that is, Byzantine faults. This article describes a new replication algorithm, BFT, that can be used to build highly available systems that tolerate Byzantine faults. BFT can be used in practice to implement real services: it performs well, it is safe in asynchronous environments such as the Internet, it incorporates mechanisms to defend against Byzantine-faulty clients, and it recovers replicas proactively. The recovery mechanism allows the algorithm to tolerate any number of faults over the lifetime of the system provided fewer than 1/3 of the replicas become faulty within a small window of vulnerability. BFT has been implemented as a generic program library with a simple interface. We used the library to implement the first Byzantine-fault-tolerant NFS file system, BFS. The BFT library and BFS perform well because the library incorporates several important optimizations, the most important of which is the use of symmetric cryptography to authenticate messages. The performance results show that BFS performs 2% faster to 24% slower than production implementations of the NFS protocol that are not replicated. This supports our claim that the BFT library can be used to build practical systems that tolerate Byzantine faults.
Descriptors--Author Keywords: security ; reliability ; algorithms ; performance ; measurement ; byzantine fault tolerance ; state machine replication ; proactive recovery ; asynchronous systems ; state transfer
Identifiers-- KeyWord Plus(R): DISTRIBUTED SYSTEMS; CORRECTNESS; CONSENSUS;

AGREEMENT; PROTOCOL; SERVICES; TIME ·

Cited References:

*SHA1, 1994, ANN WEAKN SEC HASH S
ALSBERG PA, 1976, P627, P 2 INT C SOFTW ENG
ALVISI L, 2000, P283, INT C DEP SYST NETW
ALVISI L, 1999, P357, P 7 IFIP INT WORK C
BELLARE M, 1996, V1070, P399, LECT NOTES COMPUT SC
BELLARE M, 1995, V950, P92, LNCS
BELLARE M, 1997, V1233, P163, LNCS
BENNETT CL, 1992, V5, P1, J ACQ IMMUN DEF SYND
BLACK J, 1999, V1666, P216, LECT NOTES COMPUTER
BLUM M, 1994, V12, P225, ALGORITHMICA
BRACHA G, 1985, V32, P824, J ASSOC COMPUT MACH
CACHIN C, 2000, P 19 ACM S PRINC DIS
CANETTI R, 1997, P 4 ACM C COMP COMM
CANETTI R, 1992, 9215 HEBR U COMP SCI
CASTRO M, 2001, MITLCSTR817 MIT LAB
CASTRO M, 1999, MITLCSTM590 MIT LAB
CASTRO M, 1999, P 3 S OP SYST DES IM
CHOCKLER G, 2001, P 21 INT C DISTR COM
CRISTIAN F, 1985, P 15 INT C FAULT TOL
DEERING SE, 1990, V8, P85, ACM T COMPUT SYST
DOUDOU A, 1999, V1667, P71, LECT NOTES COMPUT SC
DOUDOU A, 2000, P144, P 19 SRDS
FISCHER MJ, 1985, V32, P374, J ASSOC COMPUT MACH
FU K, 2000, P 4 USENIX S OP SYST
GARAY JA, 2000, V243, P363, THEOR COMPUT SCI
GARAY JA, 1998, V27, P247, SIAM J COMPUT
GIFFORD DK, 1979, P150, P 7 S OP SYST PRINC
GONG L, 1992, V26, P49, ACM OPERATING SYST R
GRAY J, 2000, FT 101
HERLIHY MP, 1987, P13, P 14 ACM S PRINC PRO
HERZBERG A, 1997, P 4 ACM C COMP COMM
HERZBERG A, 1995, V963, LECT NOTES COMPUTER
HOWARD JH, 1988, V6, P51, ACM T COMPUT SYST
KATCHER J, 1997, TR3022 NETW APPL
KEIDAR I, 1998, V57, P309, J COMPUT SYST SCI
KEIDAR I, 1996, P68, P 15 ANN ACM S PRINC
KIHLSTROM K, 1998, P HAW INT C SYST SCI
LAMPORT L, 1984, V6, P254, ACM T PROGR LANG SYS
LAMPORT L, 1978, V21, P558, COMMUN ACM
LAMPORT L, 1977, V3, P125, IEEE T SOFTWARE ENG
LAMPORT L, 1982, V4, P382, ACM T PROGR LANG SYS
LAMPORT L, 1989, 49 DIG EQ CORP SYST
LAMPSON B, 2001, PRINCIPLES DISTRIBUT
LISKOV B, 1991, P226, P 13 S OP SYST PRINC
LISKOV BH, 1975, V1, P7, IEEE T SOFTWARE ENG
LYNCH N, 1996, DISTRIBUTED ALGORITH
MAHESHWARI U, 2000, P 4 USENIX S OP SYST
MALKHI D, 1998, P 17 IEEE S REL DIST
MALKI D, 1996, P9, P IEEE CSFW

MALKHI D, 1998, UNPUB CORRECTNESS CO
MALKHI D, 2000, V12, P187, IEEE T KNOWL DATA EN
MALKHI D, 1998, V11, P203, DISTRIB COMPUT
MAZIERES D, 1999, P 17 ACM S OP SYST P
MERKLE RC, 1987, V293, P369, LECTURE NOTES COMPUT
MINNICH R, 2000, LINUX BIOS HOME PAGE
MURPHY B, 2000, P IEEE INT C DEP SYS
OKI BM, 1988, P8, P 7 ACM S PRINC DIST
OSTROVSKY R, 1991, P 19 S PRINC DISTR C
OUSTERHOUT JK, 1990, P247, P SUMM 1990 USENIX C
PEASE M, 1980, V27, P228, J ASSOC COMPUT MACH
POSTEL J, 1980, RFC768 DARPA
REITER MK, 1995, V938, P99, LECT NOTES COMPUT SC
REITER MK, 1996, V22, P31, IEEE T SOFTWARE ENG
REITER MK, 1994, P68, P 2 ACM C COMP COMM
RIVEST R, 1992, RFC1321
RODRIGUES R, 2001, P 18 S OP SYST PRINC
SANDBERG R, 1985, P119, P SUMM 1985 USENIX C
SCHNEIDER F, 1982, V4, P125, ACM T PROGR LANG SYS
SCHNEIER B, 1996, APPL CRYPTOGRAPHY
SCHNEIDER FB, 1990, V22, P299, COMPUT SURV
WENSLEY JH, 1978, V66, P1240, P IEEE
ZHOU L, 2000, IN PRESS ACM T COMPU

02285122   **Genuine Article#: KQ595   Number of References: 25**
DEVELOPMENT OF A RESTRICTED HARTREE-FOCK PROGRAM INDMOL ON PARAM - A HIGHLY PARALLEL COMPUTER

Author: SHIRSAT RN; LIMAYE AC; GADRE SR
Corporate Source: UNIV POONA,DEPT CHEM/POONA 411007/MAHARASHTRA/INDIA/; UNIV POONA,DEPT CHEM/POONA 411007/MAHARASHTRA/INDIA/
Abstract: Parallelization of the SCF method for closed-shell molecules on the highly parallel transputer-based system PARAM is described. The parallelization has been implemented on three different hardware and software environments: (1) a network of bare 64 transputers; (2) configuration 1 plus a back-end file system (BFS); and (3) configuration 2 with one INTEL i860 processor. The evaluation of electron repulsion integrals (ERIs) and setting up of the Fock matrix is carried out in parallel on 6.4 nodes using minimal communication strategies. A good load balance is achieved for ERI evaluation with the help of bounds, local symmetry features, and the shell concept, as well as a data

randomization technique, resulting into almost linear speedup (for ERI evaluation). In configurations 2 and 3, BFS is used for parallel storage and retrieval of ERIs. Further, in 3 matrix operations are implemented as remote procedure calls on the i860 processor. Routine techniques of level shifting and extrapolation are used for accelerating SCF convergence. The resulting package, INDMOL, has been tested for some randomly selected molecules having up to 255 contractions. Using configuration 3, a factor of 2 to 5 in computation time is obtained over 1, for the systems for which the ERIs cannot be stored in the distributed core memory. In summary, a heterogeneous system, as in configuration 3, can indeed be optimally exploited for programming peculiar diverse requirements of the SCF procedure.

Identifiers-- KeyWords Plus: 2-ELECTRON INTEGRALS; SCF

Research Fronts: 91-0352 002 (2-ELECTRON INTEGRAL DERIVATIVES; ABINITIO SCF CALCULATIONS; LARGE MOLECULES; C60 CAGE; EQUILIBRIUM GEOMETRIES; SELF-CONSISTENT FIELD; HARTREE-FOCK ENERGY)

91-0795 001 (ORGANIC SUPERCONDUCTOR KAPPA-(BEDT-TTF)2CU[N(CN)2]BR; SHORT INTERMOLECULAR CONTACTS OF C-H BONDS; DIMERIC BEDT-TTF SALTS)

91-6180 001 (COMPUTATIONAL QUANTUM-CHEMISTRY; RESTRICTED MOLLER-PLESSET THEORY FOR OPEN-SHELL MOLECULES; TRANSITION-METAL COMPLEXES; GAAS SURFACE PASSIVATION)

Cited References:

AHLRICHS R, 1992, COMMUNICATION
AHLRICHS R, 1989, V10, P104, J COMPUT CHEM
ALMLOF A, 1974, 2429 U STOCKH I PHYS
AVGHADE V, 1991, P168, ADV COMPUTING
BOYS SF, 1950, V200, P542, P ROY SOC LONDON A
CLEMENTI E, 1990, MOTECC90 ESCOM
COLWELL SM, 1985, V21, P665, CHEM BR
CREMER D, 1986, V7, P274, J COMPUT CHEM
DUKE AJ, 1972, V13, P1, CHEM PHYS LETT
DUPUIS M, 1991, V150, P163, CHEM PHYS
DUPUIS M, 1976, V65, P111, J CHEM PHYS
EKNATH PR, 1991, P86, ADV COMPUTING
ERNENWEIN R, 1990, V58, P305, COMPUT PHYS COMMUN
FRIWCH MJ, 1988, GAUSSIAN 88
GADRE SR, 1991, V18, P357, Z PHYS D ATOM MOL CL
GUEST MF, THEORY COMPUTATION S
HARTREE DR, 1988, V89, P4, J CHEM PHYS
HOFFMANN R, 1963, V39, P1397, J CHEM PHYS
PULAY P, 1982, V3, P556, J COMPUT CHEM
RAFFENETTI RC, 1973, V20, P335, CHEM PHYS LETT
ROOTHAAN CCJ, 1951, V23, P69, REV MOD PHYS
SHUKLA US, 1991, P131, ADV COMPUTING
SZABO A, 1982, MODERN QUANTUM CHEM
WEDIG U, 1989, V13, P377, Z PHYS D ATOM MOL CL
WILSON S, 1987, V1, P305, METH COMP CHEM

? ds

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S1          0     BROADCAST FILE SERVER?
S2         58     (BFS OR BROADCAST FILE SYSTEM?)
S3          1     S2 AND (FILE? OR FOLDER?)
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? t s3/full/1

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3/9/1
DIALOG(R)File 56: Computer and Information Systems Abstracts
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0000280471   IP Accession No: 330214
Human extraocular muscle spindles differ from skeletal ones

Blumer, R; Lukas, J R; Aigner, M; Mayr, R Inst of Anatomy, Vienna, Austria
J COMPUT ASSISTED MICROSC , v 8 , n 4 , p 283-284 , Dec. 1996
Publication Date: 1996
Publisher: Kluwer Academic Publishers Group , P.O. Box 989 , Dordrecht , 3300AZ
Country Of Publication: Netherlands
Publisher Url: http://www.wkap.nl

Document Type: Journal Article
Record Type: Abstract
Language: English
ISSN: 1040-7286
File Segment: Computer & Information Systems Abstracts

Abstract:
Human extraocular muscle spindles (hEOM MSps) of a 2-year old child were investigated to find out whether structural peculiarities of hEOM MSps are age-related alterations or whether they represent a normal feature in hEOMs. The bag region of the bag fibers (bFs) was short and consisted of 2 nuclei lying side by side. All bFs were enwrapped in their equatorial regions by sensory terminals and absent mostly in hEOM MSps. Chain fibers (cFs) and anomalous fibers were normal constituents of the hEOM MSps. In the equatorial regions of the MSps, the cFs had centrally located nuclei running in a file. Structural peculiarities in hEOM MSps as compared to the skeletal MSps were not aged-related alterations but they represented a specific morphology in hEOM MSps.

Descriptors: Morphology; Biological membranes; Optical microscopy; Transmission electron microscopy
Identifiers: Extraocular muscle spindles
Subj Catg: C 461.2, Biological Materials; C 931.2, Physical Properties of Gases, Liquids and Solids; C 741.1, Light/Optics